# RAW SEQUENCE LISTING PATENT APPLICATION US/08/461,652

#2

DATE: 07/06/95 TIME: 10:10:59

INPUT SET: S4628.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

1		SEQUENCE LISTING	
2 3	(1) G	eneral Information:	
4	. ,		5N II I
5 6	(i)	APPLICANT: Kwon, Byoung Se	
7	(ii)	TITLE OF INVENTION: New Receptor and Releated Produc	cts and
8		Methods	
9		··	
10	(111)	NUMBER OF SEQUENCES: 8	
11	4 >	GODDIGDONDRUGH ADDDDGG	
12 13	(10)	CORRESPONDENCE ADDRESS: (A) ADDRESSEE: Barnard, Brown & Michaels	
13		(B) STREET: 306 East State Street, Suite 220	
15		(C) CITY: Ithaca	
16		(D) STATE: NY	
17		(E) COUNTRY: USA	
18		(F) ZIP: 14850	
19		,	
20	(V)	COMPUTER READABLE FORM:	
21		(A) MEDIUM TYPE: Floppy disk	
22		(B) COMPUTER: IBM PC compatible	
23		(C) OPERATING SYSTEM: PC-DOS/MS-DOS	
24		(D) SOFTWARE: PatentIn Release #1.0, Version #1.30	
25			
26	(Vi)	CURRENT APPLICATION DATA:	
2 <b>7</b> 28		(A) APPLICATION NUMBER: US	
28 29		(B) FILING DATE: (C) CLASSIFICATION:	
30		(C) CLASSIFICATION:	
31	(vii)	PRIOR APPLICATION DATA:	
32	( /	(A) APPLICATION NUMBER: US 08/122,796	
33		(B) FILING DATE: 13-SEP-1993	
34		` '	•
35	(vii)	PRIOR APPLICATION DATA:	
36		(A) APPLICATION NUMBER: US 08/012,269	
37		(B) FILING DATE: 01-FEB-1993	
38			
39	(Vii)	PRIOR APPLICATION DATA:	·
40		(A) APPLICATION NUMBER: US 07/922,996	
41		(B) FILING DATE: 30-JUL-1992	
42	/*** 4 3	DDTOD ADDITORMTON DAMA.	
43 44	(ATT)	PRIOR APPLICATION DATA: (A) APPLICATION NUMBER: US 08/267,577	
45		(A) APPLICATION NOMBER: US 08/28/,5// (B) FILING DATE: 07-NOV-1988	
46		(b) IIBING DAIE. U/-NOV-1900	
40			

### RAW SEQUENCE LISTING PATENT APPLICATION US/08/461,652

DATE: 07/06/95 TIME: 10:11:04

INPUT SET: S4628.raw

47	(viii) ATTORNEY/AGENT INFORMATION:	
48	(A) NAME: Michaels, Christopher A	
49	(B) REGISTRATION NUMBER: 34,390	
50	(C) REFERENCE/DOCKET NUMBER: KWO4	
51	. ,	
52	(ix) TELECOMMUNICATION INFORMATION:	
53	(A) TELEPHONE: 607-273-1711	
54	(B) TELEFAX: 607-273-2609	
55	(b) IEEEERA. 007-273-2005	
56		
	(2) INFORMATION FOR SEQ ID NO:1:	
57 50	(2) INFORMATION FOR SEQ ID NO:1:	
58	(i) CHOURNOR OUR PROMEDICATION.	
59	(i) SEQUENCE CHARACTERISTICS:	
60	(A) LENGTH: 838 base pairs	
61	(B) TYPE: nucleic acid	
62	(C) STRANDEDNESS: double	
63	(D) TOPOLOGY: linear	
64		
65	(ii) MOLECULE TYPE: cDNA to mRNA	
66		
67	(iii) HYPOTHETICAL: NO	
68		
69	(iv) ANTI-SENSE: NO	
70		
71	(vi) ORIGINAL SOURCE:	
72	(A) ORGANISM: Homo sapiens	
73	(C) INDIVIDUAL ISOLATE: H4-1BB #1	
74	(D) DEVELOPMENTAL STAGE: Differentiated T-cell	
75	(G) CELL TYPE: Lymphocyte	•
76		
77	(ix) FEATURE:	
78	(A) NAME/KEY: CDS	
79	(B) LOCATION: 41805	
80	(D) OTHER INFORMATION: /codon_start= 41	
81	/product= "H4-1BB"	
82	/number= 1	
83		
84	(ix) FEATURE:	
85	(A) NAME/KEY: mat_peptide	
86	(B) LOCATION: 41802	
87	(D) OTHER INFORMATION: /codon start= 41	
88	/product= "H4-1BB"	
89	/number= 1	
90		
91		
92	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:	
93	(,	
94	AATCAGCTTT GCTAGTATCA TACCTGTGCC AGATTTCATC ATG GGA AAC AGC TGT	55
95	Met Gly Asn Ser Cys	
96	1 5	
97	-	
98	TAC AAC ATA GTA GCC ACT CTG TTG CTG GTC CTC AAC TTT GAG AGG ACA	103
99	Tyr Asn Ile Val Ala Thr Leu Leu Val Leu Asn Phe Glu Arg Thr	
	-1	

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/461,652

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														#II		SEI:	S4628.ra	iw
100					10					15			•		20			
101	202	шах	mma	asa	CI N III	aam	mam	a com	220	maa	003	GCT		3 CI 3	mma	mam		151
102																		151
103	Arg	Ser	Leu		Asp	PIO	cys	ser		Cys	Pro	Ala	GTA		l .	Cys		
104		,		25					30					35	ł			
105	a.m			3.00		a.a	3 mm	maa	a am	aaa	mam	`aam	003	3 3 m	3.00	mma		100
106												CCT						199
107	Asp	Asn		Arg	ASN	GIN	тте	_	ser	Pro	cys	Pro		Asn	ser	Pne		
108			40					45					. 50					
109	maa	3.00		aam	<b>aa</b>	<b>a</b> 2 2	300	300	mam	a.a	3 M 3	шаа	* 00	a.a	тот			247
110												TGC						247
111	ser		АТА	GTÅ	GTA	GIN		THE	Cys	ASP	TTE	Cys	Arg	GIII	cys	гуѕ		
112		55					60					65						
113 114	aam	amm	mma	3.00	3.00	3.00	220	CAC.	шаш	шаа	maa	200	3.00	3 3 m	aa s	ana		295
114												ACC						293
	-	var	Pne	Arg	THE	_ =	гуѕ	GIU	cys	Ser	80	Thr	Ser	ASII	Ald			
116	70					75					00					85		
117 118	mam	030	шаа	» am	003	000	mmm	a a a	maa	ama	aaa	GCA	aa x	шаа	300	N III CI		343
119												Ala						343
120	cys	ASP	Cys	THE	90	сту	Pne	птъ	cys	95	сту	ATG	GTĀ	-	100	Mec		
121					90					93					100			
121	mam.	CAA	a y a	СУШ	mem.	222	C 3 3	ССТ	CAA	GA A	CTC	ACA	***	***	ССТ	സവസ		391
123												Thr						371
124	Cys	GIU	GIII	105	cys	Lys	OTI	GLY	110	GIU	пеа	1111	цуз	115	GLY	Cys		
125				103					110					113				
126	ΔΔΔ	GAC	тст	TGC	արար	GGG	ΔαΔ	ффф	ΔAC	СΔТ	CAG	AAA	CGT	GGC	ΔТС	тст		439
127												Lys						100
128	-,-		120	0,0		<b>-</b> -1		125				-1-	130	1		-7-		
129																		
130	CGA	CCC	TGG	ACA	AAC	TGT	тст	TTG	GAT	GGA	AAG	TCT	GTG	CTT	GTG	ААТ		487
131												Ser						
132		135	•			- 0	140		•	•	-	145						
133																		
134	GGG	ACG	AAG	GAG	AGG	GAC	GTG	GTC	TGT	GGA	CCA	TCT	CCA	GCT	GAC	CTC		535
135	Gly	Thr	Lys	Glu	Arg	Asp	Val	Val	Cys	Gly	Pro	Ser	Pro	Ala	Asp	Leu		
136	150		-	•	_	155				-	160				_	165		
137																		
138												CCT						583
139	Ser	Pro	Gly	Ala	Ser	Ser	Val	Thr	Pro	Pro	Ala	Pro	Ala	Arg	Glu	Pro		
140					170					175					180			
141														•				
142	GGA	CAC	TCT	CCG	CAG	ATC	ATC	TCC	TTC	TTT	CTT	GCG	CTG	ACG	TCG	ACT		631
143	Gly	His	Ser	Pro	Gln	Ile	Ile	Ser	Phe	Phe	Leu	Ala	Leu	Thr	Ser	Thr		
144				185					190		•			195				
145																		
146												CGT						679
147	Ala	Leu		Phe	Leu	Leu	Phe		Leu	Thr	Leu	Arg		Ser	Val	Val		
148			200					205					210					
149													_					
150												AAA						727
151	Lys	_	Gly	Arg	Lys	Lys		Leu	Tyr	Ile	Phe	Lys	Gln	Pro	Phe	Met		
152		215					220					225						

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/461,652

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														11	VPUI	SEI:	34028.1	aw
153 154 155 156 157							CAA Gln											775
158 159 160 161							GGA Gly				TGA	AATG	GAA (	GTCA	ATAG	GG		825
162 163 164	CTG	rtgg(	GAC '	ГТТ			•											838
165 166	(2)	INF	ORMA'	rion	FOR	SEQ	ID I	NO:2	• .								-	
167 168 169 170 171			(i) :	(A (B	) LEI ) TYI	NGTH PE: 8	RACTI : 25! amino 3Y: 1	am:	ino a id		<b>S</b> .							
171 172 173		(:	ii) 1	MOLE	CULE	TYP	E: p	rote	in									
174 175	<b>14-4</b>	•	•	_			CRIP			-			<b>.</b>	<b>.</b>	**-1	<b>.</b>		
176 177 178	Met 1	GTÀ	ASN	ser	Cys 5	туr	Asn	TTE	vaı	10	Tnr	Leu	Leu	Leu	15	Leu		
179 180 181	Asn	Phe	Glu	Arg 20	Thr	Arg	Ser	Leu	Gln 25	Asp	Pro	Cys	Ser	Asn 30	Cys	Pro		
182 183	Ala	Gly	Thr 35	Phe	Cys	Asp	Asn	Asn 40	Arg	Asn	Gln	Ile	Cys 45	Ser	Pro	Cys		
184 185 186 187	Pro	Pro 50	Asn	Ser	Phe	Ser	Ser 55	Ala	Gly	Gly	Gln	Arg 60	Thr	Cys	Asp	Ile		
188 189 190	Cys 65	Arg	Gln	Cys	Lys	Gly 70	Val	Phe	Arg	Thr	Arg 75	Lys	Glu	Cys	Ser	Ser 80		
191 192 193	Thr	Ser	Asn	Ala	Glu 85	Cys	Asp	Cys	Thr	Pro 90	Gly	Phe	His	Cys	Leu 95	Gly		
194 195	Ala	Gly	Cys	Ser 100	Met	Cys	Glu	Gln	Asp 105	Cys	Lys	Gln	Gly	Gln 110	Glu	Leu		
196 197 198	Thr	Lys	Lys 115	Gly	Cys	Lys	Asp	Cys 120	Cys	Phe	Gly	Thr	Phe 125	Asn	Asp	Gln		
199 200 201 202	_	Arg 130	Gly	Ile	Cys	Arg	Pro 135	Trp	Thr	Asn	Cys	Ser 140	Leu	Asp	Gly	Lys		
202 203 204 205	Ser 145	Val	Leu	<sub>.</sub> Val	Asn	Gly 150	Thr	Lys	Glu	Arg	Asp 155	Val	Val	Cys	Gly	Pro 160		

### RAW SEQUENCE LISTING PATENT APPLICATION US/08/461,652

DATE: 07/06/95 TIME: 10:11:19

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### SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/08/461,652

DATE: 07/06/95 TIME: 10:11:24

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Line

Error

Original Text

27

Wrong application Serial Number

(A) APPLICATION NUMBER: US